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RAW SEQUENCE LISTING

DATE: 04/18/2003

PATENT APPLICATION: US/09/831,690A

TIME: 14:22:54

Input Set : N:\Crf4\04022003\I831690.raw

Output Set: N:\CRF4\04182003\I831690A.raw

1 <110> APPLICANT: Carson, Monica J
 2 Sutcliffe, J. Gregor
 3 Almazan, Melissa T.
 4 Tobal, Gabriela M.
 5 <120> TITLE OF INVENTION: Gene Expression Modulated By Activation of Microglia Or
 Macrophages

6 <130> FILE REFERENCE: 98,634-A
 7 <140> CURRENT APPLICATION NUMBER: US/09/831,690A
 8 <141> CURRENT FILING DATE: 2002-10-04
 9 <150> PRIOR APPLICATION NUMBER: US 60/108,259
 10 <151> PRIOR FILING DATE: 1998-11-12
 11 <160> NUMBER OF SEQ ID NOS: 69
 12 <170> SOFTWARE: PatentIn version 3.1
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 267
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Mus musculus
 18 <400> SEQUENCE: 1
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 20 gtcaatccag cctgcatgct ctcccctcct ccaccaagac ttctgtttct gctacttttg 120
 21 cttcagaggg cgctctgcc tcaagcccac ctatcctggg agcaggaata ctggtgtgta 180
 22 catctgtgtt gagtggggaa gacagctgga tggttgtctg tcaacttctg cactttggac 240
 23 attaaacatt ctccacacac cgaaaaa 267
 25 <210> SEQ ID NO: 2
 26 <211> LENGTH: 331
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Mus musculus
 29 <400> SEQUENCE: 2
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 31 gaaggcccca ggaaagaaga caggagtctg tgaagaatgt tttcaaaatg gtgcaataat 120
 32 tgacttatct ccctcgggtc cccactagag gatcgaggct agatgccttg tgagaaatgc 180
 33 ctttgagttt actgtcccca acgtttttat aatattgtat ataagactat gaccgattgt 240
 34 atttctataa gggagacgat ggcacctctg ccgcctgctt cgtctttata cgactttttt 300
 35 ttaattaaag ttttgatct ttggagaaaa a 331
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 38 <211> LENGTH: 297
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Mus musculus
 41 <400> SEQUENCE: 3
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 44 taaggcaact gtggccaata tttatatcat gacatacaaa tggatttacg tatttgactg 180
 45 aaatgaaagt tccactaaac ggtatttgct cttgtgatat gtggcacatt gtgatatttt 240
 46 cttagtctgt tctgttttat ttaaaaaata aaattgctga tcaagacaga ataaaaa 297

ENTERED

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55 <223> OTHER INFORMATION: N stands for A, C, G or T
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58 <222> LOCATION: (172)..(172)
59 <223> OTHER INFORMATION: N stands for A, C, G or T
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62      taaactctaa tttctatcaa ggtatcatgg gtttttaaaa ttagtatttc attacaaatg      120
63      tctcgatggt ggtaactaa tttttgccag gaccattatt gatcaaggaa anaaattcaa      180
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73      ttccatggat tgagaatgct tagaggtttt gtttgtttgt ttgattgatt tgtttttttg      180
74      aagaaataaa tgatagatga ataaacttcc aggaaaaa      218
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77 <211> LENGTH: 211
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79 <213> ORGANISM: Mus musculus
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82      tctagtatta ataaatatta gccaccaaac agctaccatt acatttatta ttttacttct      120
83      actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca ccctcctagt      180
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87 <211> LENGTH: 229
88 <212> TYPE: DNA
89 <213> ORGANISM: Mus musculus
90 <220> FEATURE:
91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (220)..(220)
93 <223> OTHER INFORMATION: N stands for A, C, G or T
94 <220> FEATURE:
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96 <222> LOCATION: (228)..(228)
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99      ccggtttggt catccaacag rgaagaaatg aatatgaaat tccagcaata agaaatgaac      60

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100      aaagattgga gctgaagacc ttaagtgcct gctttttgcc ctctgaccag ataacattag      120
101      aactatctgc attatctatg cagcatgggg tttttattat ttttacctaa agatgtctct      180
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104 <210> SEQ ID NO: 8
105 <211> LENGTH: 213
106 <212> TYPE: DNA
107 <213> ORGANISM: Mus musculus
108 <400> SEQUENCE: 8
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110      gtaaatgtgg gaatgtttgt aacttgtgtt tgtatctaata gtcgatcccc ttaggtgggt      120
111      gtactataat tcatttttgt tgtaaacttc agcctaagat aaatgtacat ctgcttttgt      180
112      atgcactcat taaacattgt aacagaccaa aaa      213
114 <210> SEQ ID NO: 9
115 <211> LENGTH: 355
116 <212> TYPE: DNA
117 <213> ORGANISM: Mus musculus
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (328)..(328)
121 <223> OTHER INFORMATION: N stands for A, C, G or T
122 <400> SEQUENCE: 9
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124      ggaccctgtc cctgcaactgc tcggtcttcc ctccgcagc caaccttgct gggtcagcca      120
125      aacactgagg gacatctgta gcctgtcagc tccatgctac cctgacctgc aactcctcac      180
126      ttccacactg agaataataa tttgaatgta acccttgattg ttatcatctt gacctaaaggc      240
127      tgatttcttg ttaatttcat ggattgagaa tgcttagagg ttttgtctgt ttgtttgatt      300
W--> 128      gatttgtttt tttgaagaaa taaatganag atgaataaac tcccaaatg aaaaa      355
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131 <211> LENGTH: 360
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133 <213> ORGANISM: Mus musculus
134 <220> FEATURE:
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136 <222> LOCATION: (84)..(84)
137 <223> OTHER INFORMATION: N stands for A, C, G or T
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W--> 140      gttcccgtgc gcaggtacag tcgncgcttt cgtaccatcg acatcgaacc tgacatagaa      120
141      accctgtctg cccagcagtc tggcaactcc taaggcggcc ctggcattgg ctgggtgatt      180
142      actggctgca ctctgggggg cggttcttcc atgatgggtg ttctctctaaa tttgcacgga      240
143      gaaacacctg atttccagga aaatcccctc agatgggcgc tgggtccatc cattcccgat      300
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149 <213> ORGANISM: Mus musculus
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153      cttggtat ttt ataaaggaaa accaaaactc ttggtcagag acaatatgca aaacagagat      180
154      gtcaagtact atgtccaaat actgtgaaat atagtggagaa ataggtaaca aatttatcaa      240
155      tcaactatgt ttggatccag ggaatctcaa gttattcaat tcattctctg taagcctttg      300
156      tctctctctt catccagact tttgccttca aatacaagca tgcgctat ttt tctgggaaaa      360
157      a                                                                                   361
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 245
161 <212> TYPE: DNA
162 <213> ORGANISM: Mus musculus
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166      gtgagcagaa tgagacaatc tttacaatca gaattgagaa gtgttacaat tgaatggcct      180
167      tgtgctgtag caataaaatg accaagtgca atgacttta taaaatcatc cttcaaacgc      240
168      aaaaa                                                                                   245
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171 <211> LENGTH: 264
172 <212> TYPE: DNA
173 <213> ORGANISM: Mus musculus
174 <400> SEQUENCE: 13
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177      ctgtcagggt agcgtcaggc agttacaaag tctgttggtg ttaaaaagta acagagcaaa      180
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188      ctgaattgac aaatgtcgac ttaactgata aattatattt ggtaaaaataa aatggaagtt      180
189      tatttcgaaa aa                                                                                   192
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 375
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198      cccagaaagt ctgtccttt ttgtagtcac ctatcttgag gtttctcaaa ccacttttca      180
199      tgaaccagtg aatattcaag agaactaaat ttgaagtctg tacaaaagct tctctttaac      240
200      acgtgccata atacactatc ttctgtctgt cagtccttaa catctacctc tctgaatttc      300
201      atggatttct gtctcacaag gtttaactat tttatataca ctggctgtag catacaataa      360
202      agcatcatat aaaaa                                                                                   375
204 <210> SEQ ID NO: 16
205 <211> LENGTH: 397
206 <212> TYPE: DNA

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211 <223> OTHER INFORMATION: N stands for A, C, G or T
212 <220> FEATURE:
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215 <223> OTHER INFORMATION: N stands for A, C, G or T
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218 <222> LOCATION: (391)..(391)
219 <223> OTHER INFORMATION: N stands for A, C, G or T
220 <400> SEQUENCE: 16
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223      ggcaccatcc gtggggattt ctgcattcaa gttggcagga acatcattca tggcagtgat      180
224      tcagtggaga gtgctgagaa agagatccat ctgtggttta agcccgaaaga actgatcgac      240
225      tacaagtctt gtgcccata gaagtggtac gagtagacat gaagaaacca gaatcctttt      300
226      cagcactact gatgggtttc tggacagagc tcttcatccc actgacagga tggatcatct      360
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230 <211> LENGTH: 231
231 <212> TYPE: DNA
232 <213> ORGANISM: Mus musculus
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235      atttctgagt ttgaggccag cctggtctac agagtgaagt cgaggacaac cagggtctaca      120
236      cagagaaaacc ctgtctcgaa aaccaaaaaa aaaaaaaaaa gaactccagt taagacttct      180
237      aataccaaat tctcttgcaa gttatgaaaa taaagtatat aaamcgaaaa a      231
239 <210> SEQ ID NO: 18
240 <211> LENGTH: 317
241 <212> TYPE: DNA
242 <213> ORGANISM: Mus musculus
243 <400> SEQUENCE: 18
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245      gctgtggagt gctgcttatg gggagaatgt gctgaaaaaa gcatgagcct tctgccaag      120
246      gattgctgac aaactgctct tgattgtttc tttaagggaac tgctttctct ccctgactcc      180
247      tctgctcatc ctagccatac aattttccag tcagcaaacc tcattactaa tcatgtaggg      240
248      aatggagctt aaagcagaca gagcaccttt tgatcacatt ttttttctct gcaataaatg      300
249      acaactccca acaaaaaa      317
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252 <211> LENGTH: 232
253 <212> TYPE: DNA
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258      cagagaaaacc ctgtctcgag aaccaaaaaa aaaaaaaaaa aactccagtt aagacttcta      180

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 22,172
Seq#:7; N Pos. 220,228
Seq#:9; N Pos. 328
Seq#:10; N Pos. 84
Seq#:16; N Pos. 385,387,391
Seq#:22; N Pos. 72,110,179,231,267,272,284,305,330,357,364,375
Seq#:26; N Pos. 47,48
Seq#:28; N Pos. 16
Seq#:30; N Pos. 13,14,15,16

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5
Seq#:26; Line(s) 381
Seq#:29; Line(s) 420
Seq#:31; Line(s) 442
Seq#:32; Line(s) 452
Seq#:33; Line(s) 462
Seq#:34; Line(s) 472
Seq#:35; Line(s) 482
Seq#:36; Line(s) 492
Seq#:37; Line(s) 502
Seq#:38; Line(s) 512
Seq#:39; Line(s) 522
Seq#:40; Line(s) 532
Seq#:41; Line(s) 542
Seq#:42; Line(s) 552
Seq#:43; Line(s) 562
Seq#:44; Line(s) 572
Seq#:45; Line(s) 582
Seq#:46; Line(s) 592
Seq#:47; Line(s) 602
Seq#:48; Line(s) 612
Seq#:49; Line(s) 622
Seq#:50; Line(s) 632
Seq#:51; Line(s) 642
Seq#:52; Line(s) 652
Seq#:53; Line(s) 662
Seq#:54; Line(s) 672
Seq#:55; Line(s) 682
Seq#:56; Line(s) 692
Seq#:57; Line(s) 702

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Seq#:58; Line(s) 712
Seq#:59; Line(s) 722
Seq#:60; Line(s) 732
Seq#:61; Line(s) 742
Seq#:62; Line(s) 752
Seq#:63; Line(s) 762
Seq#:64; Line(s) 772
Seq#:65; Line(s) 782
Seq#:66; Line(s) 792
Seq#:68; Line(s) 813
Seq#:69; Line(s) 822

VERIFICATION SUMMARY

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Input Set : N:\Crf4\04022003\I831690.raw
Output Set: N:\CRF4\04182003\I831690A.raw

L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:180
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:300
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:60
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:360
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60
M:341 Repeated in SeqNo=22
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0